

Message Text

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PAGE 01 WELLIN 04019 070439Z
ACTION ERDA-07

INFO OCT-01 EA-12 ISO-00 FEA-01 AID-05 CEA-01 CIAE-00
COME-00 DODE-00 EB-08 FPC-01 H-02 INR-07 INT-05
L-03 NSAE-00 NSC-05 OMB-01 PM-05 USIA-15 OES-07
SP-02 SS-15 STR-04 TRSE-00 ACDA-10 /117 W
-----122637 070442Z /21

R 070417Z SEP 77
FM AMEMBASSY WELLINGTON
TO SECSTATE WASHDC 3967

UNCLAS WELLINGTON 04019

DEPARTMENT PASS TO ERDA

E.O. 11652: N/A
TAGS: TECH, ENGR, NZ
SUBJECT: INTERNATIONAL APPLICATION OF GEOTHERMAL ENERGY:
NEW ZEALAND

REF: STATE A-2873

THE NEW ZEALAND MINISTRY OF WORKS AND DEVELOPMENT HAS PROVIDED THE FOLLOWING DATA KEYED TO PARAGRAPH 1(A-F) OF REFTEL:

(A) TOTAL INSTALLED GENERATING CAPACITY IS 202MW(E). STEAM FOR INDUSTRIAL USE AT KAWERAU AMOUNTS TO SOME 115T/H, REPRESENTING APPROXIMATELY 20MW(E). SOME OF THIS STEAM IS USED FOR ELECTRICAL GENERATION. NON-ELECTRIC HEAT CONSUMPTION IN ROTORUA CITY IS ESTIMATED AT 750T JOULE PER YEAR. SOME 720T JOULE PER YEAR ARE USED COMMERCIALY AND INDUSTRIALLY WITH THE REMAINDER BEING USED FOR DOMESTIC PURPOSES. INDIVIDUAL USAGES ARE TOO SMALL FOR FURTHER BREAKDOWN.

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PAGE 02 WELLIN 04019 070439Z

(B) SOME 12,000 GWH PER YEAR APPEARS CAPABLE OF DEVELOPMENT FROM GEOTHERMAL RESOURCES IN NEW ZEALAND. ALLOWING NINE YEARS FOR INVESTIGATION AND DEVELOPMENT OF A FIELD, IT SHOULD BE POSSIBLE TO GENERATE GEOTHERMALLY AROUND 1000 GWH ADDITIONAL EVERY THREE YEARS IN THE NEXT DECADE USING FORESEEABLE RESOURCES.
(C) ONLY BROADLANDS WITH AN OUTPUT OF 150GWH(E) IS

SCHEDULED FOR COMPLETION IN 1982/83. A STATION WITH 100MW

(E) CAPACITY IS FORESEEN AT KAWERAA WITHIN THIS DECADE.

(D) THE ORGANIZATIONS RESPONSIBLE FOR DEVELOPMENT ARE THE MINISTRY OF WORKS AND DEVELOPMENT ASSISTED BY THE DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FUNDING FOR THIS FINANCIAL YEAR AMOUNTS TO DOLS 4 MILLION, RISING TO DOLS 6.5 MILLION IN SUBSEQUENT YEARS.

(E) NO EXTERNAL ASSISTANCE IS RECEIVED AND NO EXTERNAL ASSISTANCE IS FORESEEN.

(F) NO TECHNICAL OR NONTECHNICAL PROBLEMS HAVE BEEN IDENTIFIED. SELDEN

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
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Sent Date: 07-Sep-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
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Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Subject: INTERNATIONAL APPLICATION OF GEOTHERMAL ENERGY: NEW ZEALAND
TAGS: TECH, ENRG, NZ
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Type: TE
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